



IPW

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No. : 10/849,195  
Applicant : GUTTAG ET AL.  
Filed : MAY 20, 2004  
Title : DIGITAL BACKPLANE

Art Unit : 2661  
Examiner : TO BE ASSIGNED

Atty Docket No. : KAGU-0002-UTY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The below-identified communication(s) is (are) submitted in the above-captioned application or proceeding:

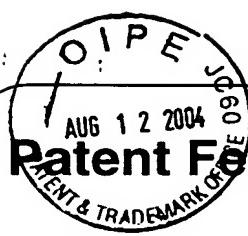
- Information Disclosure Statement and Form 1449/references  
 Patent Fee Transmittal  
  
 The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 or credit any overpayment to **Deposit Account Number 10-0233-KAGU-0002-UTY**.

Respectfully submitted,

Mark J. Guttag  
Registration Number 33,057

**JAGTIANI + GUTTAG**  
Democracy Square Business Center  
10363-A Democracy Lane  
Fairfax, Virginia 22030  
(703) 591-2664

August 9, 2004



# Patent Fee Transmittal for FY 2004

Applicant Claims Small Entity Status 37 C.F.R. 1.27

TOTAL AMOUNT OF PAYMENT \$0.00

Application Number	10/849,195
Filing Date	May 20, 2004
Named Inventor	Guttag, et al.
Examiner Name	To be assigned
Art Unit	2661
Attorney Docket No.	KAGU-0002-UTY

## FEE CALCULATION

### 1. Basic Filing Fee

Large Entity	Small Entity	Description	Paid
Code (\$)	Code (\$)		
1001 770	2001 385	Utility filing fee	\$ -
1002 340	2002 170	Design filing fee	\$ -
1003 530	2003 265	Plant filing fee	\$ -
1004 770	2004 385	Reissue filing fee	\$ -
1005 160	2005 80	Provisional filing fee	\$ -
1609 730	2609 365	IPEA U.S.	\$ -
1610 770	2610 385	ISA U.S.	\$ -
1611 1,080	2611 540	USPTO not ISA or IPEA	\$ -
1612 100	2612 50	Claims Meet PCT Art. 33-IPEA/US	\$ -
1613 920	2613 460	Filing with EPO or JPO SR	\$ -

Basic Fee Subtotal

\$ -

### 2. Extra Claim Fee

#### a. Claims as Filed

Total Claims	-20	=	Extra Claims	Large Entity	Small Entity	Paid
0			0	1202 18	2202 9	\$ -
Independent 0	-3	=	0	1201 86	2201 43	\$ -

Multiple Dependent

#### b. Claims as Amended

Total Claims	After Amnt	Highest Paid	Present Extra	Large Entity	Small Entity	Paid
0	0	0	= 0	1202 18	2202 9	\$ -
Independent 0	0	0	** = 0	1201 86	2201 43	\$ -

First Presentation of Multiple Dependent

\* Less than 20, enter 20 \*\* Less than 3, enter 3

Extra Claim Fee Subtotal

\$ -

### 3. Additional Fees

Large Entity	Small Entity	Description	Paid
Code (\$)	Code (\$)		
1251 110	2251 55	Extension for reply first month	\$ -
1252 420	2252 210	Extension for reply second month	\$ -
1253 950	2253 475	Extension for reply third month	\$ -
1254 1,480	2254 740	Extension for reply fourth month	\$ -
1255 2,010	2255 1,005	Extension for reply fifth month	\$ -
1401 330	2401 165	Notice of Appeal	\$ -
1402 330	2402 165	Filing Brief in Support of Appeal	\$ -
1403 290	2403 145	Request for Oral hearing	\$ -
1460 130	1460 130	Petitions to Commissioner	\$ -
1451 1,510	1451 1,510	Petition - public use proceeding	\$ -
1452 110	2452 55	Petition to Revive - Unavoidable	\$ -
1453 1,330	2453 665	Petition to Revive - Unintentional	\$ -
1501 1,330	2501 665	Utility Issue Fee	\$ -
1502 480	2502 240	Design Issue Fee	\$ -
1503 640	2503 320	Plant Issue Fee	\$ -
1504 300	1504 300	Publication Fee	\$ -
1814 110	2814 55	Statutory Disclaimer	\$ -
1811 100	1811 100	Certificate of Correction	\$ -

Large Entity	Small Entity	Description (cont.)	Paid
Code (\$)	Code (\$)		
8021 40	8021 40	Recording each Assignment	\$ -
1806 180	1806 180	Submission of IDS	\$ -
1801 770	2801 385	Request for Cont. Examination	\$ -
1809 770	2809 385	Filing Submission After Final	\$ -
1051 130	2051 65	Surcharge - late filing fee or oath	\$ -
1052 50	2052 25	Surcharge - late provisional fee	\$ -
1053 130	1053 130	Non-English Specification	\$ -
1807 50	1807 50	Processing Fee 37 CFR 1.17(q)	\$ -
1812 2,520	1812 2,520	Request for Ex Parte Reexamination	\$ -
1804 920	1804 920	Request Pub. of SIR prior	\$ -
1805 1,840	1805 1,840	Request Pub. of SIR after	\$ -
1810 770	2810 385	Each Add. Invention Examined	\$ -
1802 900	1802 900	Expedited Examination (Design)	\$ -
1551 910	2551 455	Maintenance Fees 3.5 years	\$ -
1552 2,090	2552 1,045	Maintenance Fees 7.5 years	\$ -
1553 3,220	2553 1,610	Maintenance Fees 11.5 years	\$ -
1554 130	2554 65	Surcharge - Late Payment 6 mos.	\$ -
	Other fee		\$ -

(cont.)

Additional Fee Subtotal

\$ -

### METHOD OF PAYMENT

Deposit Account No. **10-0233-KAGU-0002-UTY**

The Commissioner is hereby authorized to charge the amount shown above and any additional fees which may be required under 37 CFR 1.16, 1.17, 1.18, 1.20 and 1.492 or credit any overpayment to the deposit account number listed above.

Name	Mark J. Guttag	Reg. No.	33,057
Firm	Jagtiani + Guttag		
Address	10363-A Democracy Lane, Fairfax VA 22030		
Telephone	703.591.2664	Fax	703.591.5907

August 9, 2004

Signature

Date

Include duplicate copy if paying by deposit account



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No. : 10/849,195  
Applicant : GUTTAG ET AL.  
Filed : MAY 20, 2004  
Title : DIGITAL BACKPLANE

Art Unit : 2661  
Examiner : TO BE ASSIGNED

Atty Docket No. : KAGU-0002-UTY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §§ 1.51(b), 1.56, 1.97 and 1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each foreign patent, or each publication or portion thereof listed or herein identified, is submitted herewith, except that a copy of any U.S. patent application identified herein or any patent, publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. § 120 and identified below, is not submitted herewith.

**CERTIFICATION**

This Information Disclosure Statement is submitted within three months of (i) the filing date of the above-identified U.S. National Patent application, or (ii) before the first office action on the merits, or (iii) the date of entry into the U.S. National Stage of the above-identified International Application, or (iv) the date of entry into the U.S. National Stage of the International Application that has been assigned the above-identified U.S. Patent application number, whichever applies.

The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. §§ 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 10-0233-KAGU-0002-UTY**.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Respectfully submitted,



Mark Guttag  
Registration Number 33,057

**JACTIANI + GUTTAG**  
Democracy Square Business Center  
10363-A Democracy Lane  
Fairfax, Virginia 22030  
(703) 591-2664

August 9, 2004



Form TO 1449 U.S. Department of Commerce Patent and Trademark Office  Information Disclosure Statement by Applicant		ATTY. DOCKET NUMBER <b>KAGU-0002-UTY</b>	SERIAL NUMBER <b>10/849,195</b>
APPLICANT <b>GUTTAG, et al.</b>			
FILING DATE <b>May 20, 2004</b>		GROUP <b>2661</b>	

**U.S. Patent Documents**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	<b>3,707,622</b>	Dec. 26, 1972	Hatano et al.			
	<b>3,801,831</b>	Apr. 2, 1974	Dame			
	<b>4,039,862</b>	Aug. 2, 1977	Dingwall et al.			
	<b>4,486,670</b>	Dec. 4, 1984	Chan et al.			
	<b>4,618,929</b>	Oct. 21, 1986	Miller et al.			
	<b>4,621,339</b>	Nov. 4, 1986	Wanger et al			
	<b>4,695,650</b>	Sep. 22, 1987	Walba et al.			
	<b>4,720,819</b>	Jan. 19, 1988	Pinkham et al.			
	<b>4,773,038</b>	Sep. 20, 1988	Hillis, et al.			
	<b>4,959,811</b>	Sep. 25, 1990	Szczepanek			
	<b>5,096,279</b>	Mar. 17, 1992	Hornbeck et al.			
	<b>5,184,325</b>	Feb. 2, 1993	Lipouski			
	<b>5,210,826</b>	May 11, 1993	Takeda et al.			
	<b>5,334,861</b>	Aug. 2, 1994	Pfiester et al.			
	<b>5,339,116</b>	Aug. 16, 1994	Urbanus et al.			
	<b>5,488,431</b>	Sep. 5, 1995	Kobayashi			
	<b>5,497,172</b>	Mar. 5, 1996	Doherty et al.			
	<b>5,581,773</b>	Dec. 3, 1996	Glover			
	<b>5,657,036</b>	Aug. 12, 1997	Markandey et al.			
	<b>5,673,028</b>	Sep. 30, 1997	Levy			
	<b>5,689,677</b>	Nov. 18, 1997	MacMillan			
	<b>5,767,828</b>	Jun. 16, 1998	McKnight			
	<b>5,808,690</b>	Sep. 15, 1998	Rich			
	<b>5,818,788</b>	Oct. 6, 1998	Kimura et al.			
	<b>5,851,611</b>	Dec. 22, 1998	Guttag			
	<b>5,864,703</b>	Jan. 26, 1999	Van Hook et al.			
	<b>5,959,598</b>	Sep. 28, 1999	McKnight			
	<b>5,990,982</b>	Nov. 23, 1999	Gove et al.			
	<b>6,005,558</b>	Dec. 21, 1999	Hudson et al.			
	<b>6,041,389</b>	Mar. 21, 2000	Rao			
	<b>6,067,065</b>	May 23, 2000	Worley III et al.			

		<b>6,118,500</b>	Sep. 12, 2000	Kunzman			
		<b>6,144,356</b>	Nov. 7, 2000	Weatherford et al.			
		<b>6,151,011</b>	Nov. 21, 2000	Worley III et al.			
		<b>6,188,377</b>	Feb. 13, 2001	Campbell et al.			
		<b>6,225,991</b>	May 1, 2001	McKnight			
		<b>6,243,072</b>	Jun. 5, 2001	McKnight			
		<b>6,285,360</b>	Sep. 4, 2001	Li			
		<b>6,295,054</b>	Sep. 25, 2001	McKnight			
		<b>6,326,980</b>	Dec. 4, 2001	Worley III			
		<b>6,346,430</b>	Feb. 12, 2002	Raj et al.			
		<b>6,348,991</b>	Feb. 19, 2002	Smith et al.			
		<b>6,369,832</b>	Apr. 9, 2002	McKnight			
		<b>6,373,497</b>	Apr. 16, 2002	McKnight et al.			
		<b>6,452,589</b>	Sep. 17, 2002	McKnight			
		<b>6,456,301</b>	Sep. 24, 2002	Huang			
		<b>6,493,467</b>	Dec. 10, 2002	Okuda et al.			
		<b>6,518,945</b>	Feb. 11, 2003	Pinkham			
		<b>6,573,951</b>	Jun. 3, 2003	Hewlett et al.			
		<b>6,574,043</b>	Jun. 3, 2003	Ramanujan			
		<b>6,597,372</b>	Jul. 22, 2003	Huang			
		<b>6,646,710</b>	Nov. 11, 2003	Suzuki et al.			
		<b>6,650,138</b>	Nov. 18, 2003	Zuravleff			
		<b>20010038363</b>	Nov. 8, 2001	Campbell			
		<b>20010040566</b>	Nov. 15, 2001	Pinkham et al.			
		<b>20020000967</b>	Jan. 3, 2002	Huston et al.			
		<b>20020036634</b>	Mar. 28, 2002	Pinkham et al.			
		<b>20020097215</b>	Jul. 25, 2002	Huang			
		<b>20020101396</b>	Aug. 1, 2002	Huston et al.			
		<b>20020158891</b>	Oct. 31, 2002	Huang			
		<b>20020176146</b>	Nov. 28, 2002	DeVaan et al.			
		<b>20030016213</b>	Jan. 23, 2003	Huang			
		<b>20030034941</b>	Feb. 20, 2003	Janssen et al.			
		<b>20030038651</b>	Feb. 27, 2003	Zuravleff			
		<b>20030038763</b>	Feb. 27, 2003	Zuravleff			
		<b>20030058263</b>	Mar. 27, 2003	Huang			
		<b>20030090478</b>	May 15, 2003	McKnight			
		<b>20030103046</b>	Jun. 5, 2003	Rogers et al.			

	<b>20030107578</b>	<b>Jun. 12, 2003</b>	Willis et al.				
	<b>20030137501</b>	<b>Jul. 24, 2003</b>	Richards				
	<b>20030151599</b>	<b>Aug. 14, 2003</b>	Bone				
	<b>20030156083</b>	<b>Aug. 21, 2003</b>	Willis				
	<b>20030156121</b>	<b>Aug. 21, 2003</b>	Willis				
	<b>20030160803</b>	<b>Aug. 28, 2003</b>	Willis				
	<b>20030160804</b>	<b>Aug. 28, 2003</b>	Willis et al.				
	<b>20030169612</b>	<b>Sep. 11, 2003</b>	Hu				
	<b>20030197669</b>	<b>Oct. 23, 2003</b>	Marshall				
	<b>20030201986</b>	<b>Oct. 30, 2003</b>	Willis et al.				
	<b>20030210257</b>	<b>Nov. 13, 2003</b>	Hudson et al.				
	<b>20030214617</b>	<b>Nov. 20, 2003</b>	Beirhuizen et al.				
	<b>20040004753</b>	<b>Jan. 8, 2004</b>	Pan				
	<b>20040125283</b>	<b>Jul. 1, 2004</b>	Huang				

**Foreign Patent Documents**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	<b>WO0079510 A1</b>	<b>Dec. 28, 2000</b>	<b>US</b>				

**Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)**

	Colorado MicroDisplay, Inc. (CMD) White Paper: "Which Microdisplay is Right for your Application?" copyright 1998, pp. 1-9.
	W. P. Bleha, JVC Digital Image Technolgy Center White Paper: "D-ILA™ Projector Technology: The Path to High Resolution Projection Displays", pp. 1-9.
	Kang et al., Samsung SID 2001 Digest, Paper 51.3, pp. 1264 – 1267.
	<a href="http://www.silicondisplay.com">www.silicondisplay.com</a> website, 02/06/2002, "The Digital LCoS Breakthrough"
EXAMINER	DATE CONSIDERED
<i>EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant</i>	